VPCF12NGX/B

VAIO® F Series Laptop PC

MULTIMEDIA MADE SIMPLE

PMB VAIO® Edition makes managing and enjoying your photos and home videos simple and easy. Instantly sort your photos and home videos by person, place, or date and reduce camera shake in your home videos effortlessly with this breakthrough technology.

Fall in love with your favorite movies all over again with an extra-wide, theater inspired 16.4"[4] (1600x900) display using energy-efficent LCD technology. Enjoy the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen HDTV without a myriad of extra cables (HDMI™ cable sold separately).

POWERFUL PERFORMACE

Enjoy the powerful performance of an Intel® Core™ i7- 740QM processor (1.73GHz[1]) with Intel® Turbo Boost Technology[19] up to (2.93GHz[1]) and 4GB of pre-installed system memory.

The VAIO® F Series laptop comes pre-installed with Genuine Microsoft® Windows® 7 Professional 64-bit[12].

Microsoft® Office Starter 2010[11] includes reduced-functionality versions of Word® and Excel® only, with advertising.

A NVIDIA® GeForce® 310M graphics card with 512MB VRAM delivers smooth, responsive gameplay.

Store your favorite multimedia, important documents, and cherished family photos on the massive 500GB[2] Serial ATA hard drive.

ENDLESS FEATURES

A backlit keyboard frames the keys with a soft glow and illuminates the keys for convenient typing day or night. Plus you have an integrated numeric key pad ideal for fast and accurate entry of numeric data with just one hand.

The VAIO® F Series laptop, designed with dedicatedAV Controls, makes navigating through your favorite multimedia quick and easy.

Stay connected to friends and family while on the road with real-time video conferencing[10] using the MOTION EYE® camera and microphone with face-tracking technology.

SUPERIOR SUPPORT FOR YOUR VAIO® COMPUTER

Not a PC Expert? Don't know what a "de-frag" is? No problem. We've designed an easy-to-use tool that lets you tune up, update and troubleshoot your VAIO® PC with just a few clicks. An *ASSIST* button on the keyboard panel that puts this helpful program right at your fingertips.

With In-home service, when possible we'll come to you to repair your PC for a variety of issues.

International service provides you with coverage in over 40 countries; Sony assures that your VAIO® laptop will have a broad range of services and support wherever you travel.

Optional Sony extended service plans are available to extend your limited warranty coverage up to 4 years from the date of your PC purchase.

Maximum performance and amazing HD entertainment on a top-notch 16.4"[4] widescreen laptop with a backlit keyboard and integrated number pad. And with a quad core Intel® Core™ i7 processor, dedicated NVIDIA® GeForce® graphics, and movies, you will experience the ultimate in smart performance and a razor-sharp picture with amazing depth and clarity.

Faster. Smarter.

Windows 7

Bluetooth

HDMI

ENERGY STAR

RoHS COMPLIANT

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Specifications

General

Action Buttons: S1,VAIO, ASSIST, Play / Pause / Stop, Wireless on / off, Display off
Pointing Device: Electro-static touchpad (Multi-Finger)

Hardware

Keyboard: QWERTY, 103 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology
10-Key Numeric Pad: Yes
Backlit Keyboard: Yes

Processor

Type: Intel® Core™ i7 - 740QM
Speed: 1.73GHz[1] with Turbo Boost Technology up to 2.93GHz[19]
Technology: Quad-Core
L3 Cache: 6MB

Memory

Installed: 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1333MHz

Hard Drive

Capacity: 500GB[2]
Speed: 5400rpm
Type: Serial ATA

Optical Drive

CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio w/ Dolby® Home Theather® v3

Display

Screen Size: 16.4"[4]
Resolution: 1600 x 900

Graphics

Processor: NVIDIA® GeForce® 310M GPU
Video RAM: 512MB of dedicated video RAM

Inputs and Outputs

Headphone Jack: 1
Microphone Input: 1
USB Port(s): 3 USB (one shared with eSATA)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Ethernet Connection (s): 1
Internal Microphone: 1
HDMI™ Output(s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
DVD Playback: Up to 1.5 hours[7] Standard Capacity Battery
Default Brightness: Up to 4 hours[7] Standard Capacity Battery
Up to 6 hours[7] Large Capacity Battery
Maximum Brightness: Up to 4 hours[7] Standard Capacity Battery
Up to 6 hours[7] Large Capacity Battery

Start-up Times

Average Boot Time: 60 sec[16]
Average Resume Time from Suspend: 2 sec[16]
First Boot Time: 5 min[17]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: 802.11 b/g/n[3]
Bluetooth® Technology: Integrated Stereo A2DP (2.1 + EDR) [18]

Software

Operating System: Genuine Microsoft® Windows® 7 Professional 64-bit[12]
Supplied Software: Microsoft® Office 2010 Starter[11]
Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[13]
System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7 at 888-476-6972. For priority support, please call 239-768-7605[9] .
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[14] . See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 3 year limited warranty[8] . See actual warranty for details.

Environmental Information

EPEAT™ : Silver
RoHS®: Compliant
ENERGY STAR®: 5.0

Dimensions

Weight: 6.4 lbs (with standard capacity battery)
Measurements: 15.3"(W) x 1.22-1.62"(H) x 10.4"(D)[5]

Supplied Accessories

Standard Capacity Lithium-ion Battery (5000mAh)
AC Adapter
Power Cord

Optional Accessories

AC Adapter (VGP-AC19V45)
Additional Standard Capacity Battery (VGP-BPS21A/B)
Large Capacity Battery (VGP-BPL21)
Campus Messenger Bag (VGP-AMB14/B)
VAIO Backpack (VGP-CCB6/B)
Bluetooth® Keyboard (VGP-BKB1)
Bluetooth® Remote Mouse (VGP-BMS80)
VAIO® Neoprene Carrying Case (VGP-AMC7)
Rechargeable Bluetooth® Mouse (VGP-BMS77)

Color: Black
UPC Code: 027242804029

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires a compatible 802.11 access point (802.11n recommended) and internet connection.
4. Viewable area measured diagonally.
5. Measured at the narrowest point
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Rating based upon laboratory testing. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics,12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor. Long distance charges may apply
10. Broadband Internet service required along with third party services which may require a subscription or other service fee.
11. Includes Microsoft® Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.
12. Compatibility and performance in a 64-bit environment may vary.
13. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
14. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
15. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
16. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
17. Excluding end user interaction
18. Interoperability and compatibility among Bluetooth® devices vary
19. Intel®Turbo Boost Technology requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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